

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2001142025 A**

(43) Date of publication of application: **25.05.01**

(51) Int. Cl.

**G02B 27/02**  
**G02B 17/08**

(21) Application number: **11326644**

(22) Date of filing: **17.11.99**

(71) Applicant: **MIXED REALITY SYSTEMS  
LABORATORY INC**

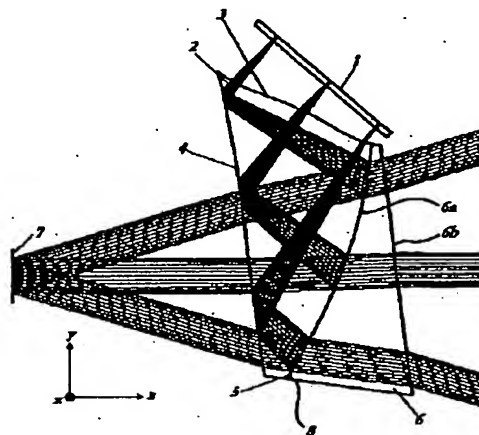
(72) Inventor: **YAMAZAKI SHOICHI**

**(54) PICTURE DISPLAY DEVICE**

**(57) Abstract**

**PROBLEM TO BE SOLVED:** To obtain a picture display device with excellently compensated eccentric chromatic aberration, made very thin and using a non-adjusted optical system.

**SOLUTION:** In a prism which is provided with three or more optical surfaces including an optical surface made eccentric and having curvature and which has positive refractive power, a diffraction surface having rotationally asymmetric phase distribution is included on the optical surface, or the diffraction surface having rotationally symmetric phase distribution on a surface where refractive power is different according to an azimuth angle is included on the optical surface.



COPYRIGHT: (C)2001,JPO